

**BEGA****99 331**

In-ground luminaire

IP 68

Project · Reference number

Date

## Product data sheet

### Application

LED location luminaire for recessed installation in compacted surfaces with  $\varnothing$  70 mm provided by the customer.

Drive-over luminaire from vehicles with pneumatic tyres.

For pressure load up to 1,000 kg.

### Please note:

Luminaire must not be used for installation in road lanes, where the fixture is exposed to a horizontal strain due to braking, acceleration and change of direction.

### Product description

In-ground LED luminaire without power supply unit

Luminaire made of stainless steel

Steel grade no 1.4301

Installation bush made of polyamide

Safety glass, white

3 m water-resistant connecting cable

05RN8-F 2 x 1<sup>□</sup> with implemented water stopper

Safety class III ⚡

Protection class IP 68 20 m

Dust-tight and water pressure tight

Maximum submersion depth 20 m

Impact strength IK08

Protection against mechanical impacts < 5 joule

CE – Conformity mark

Weight: 0.8 kg

### Accessories

Power supply unit for LED luminaires 24 V DC

Safety transformer according to

DIN EN 61558/VDE 0570 part 2-6

**70 564** Power supply unit for 0-15 W

**70 465** Power supply unit for 0-25 W

**70 565** Power supply unit for 0-35 W

**70 566** Power supply unit for 0-50 W

**70 567** Power supply unit for 0-75 W

**70 169** Power supply unit for 0-150 W  
230 V ~ 50-60 Hz

**70 114** Power supply unit for 0-25 W

AC range: AC: 198-254 V ~ 50-60 Hz

DC range: DC: 200-240 V

The power supply units are also suitable for the operation of several LED luminaires. In this case, the maximum wattage of the power supply unit must not be exceeded.

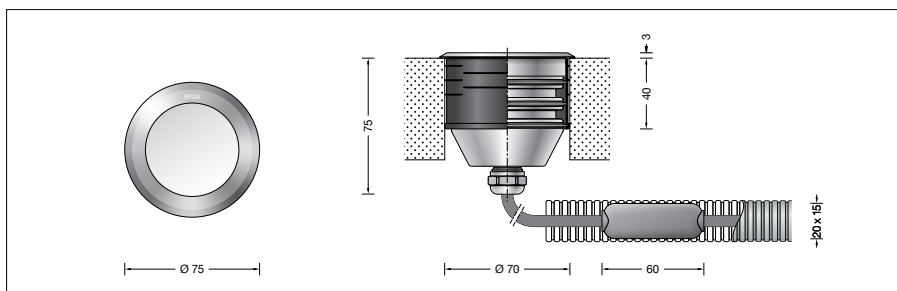
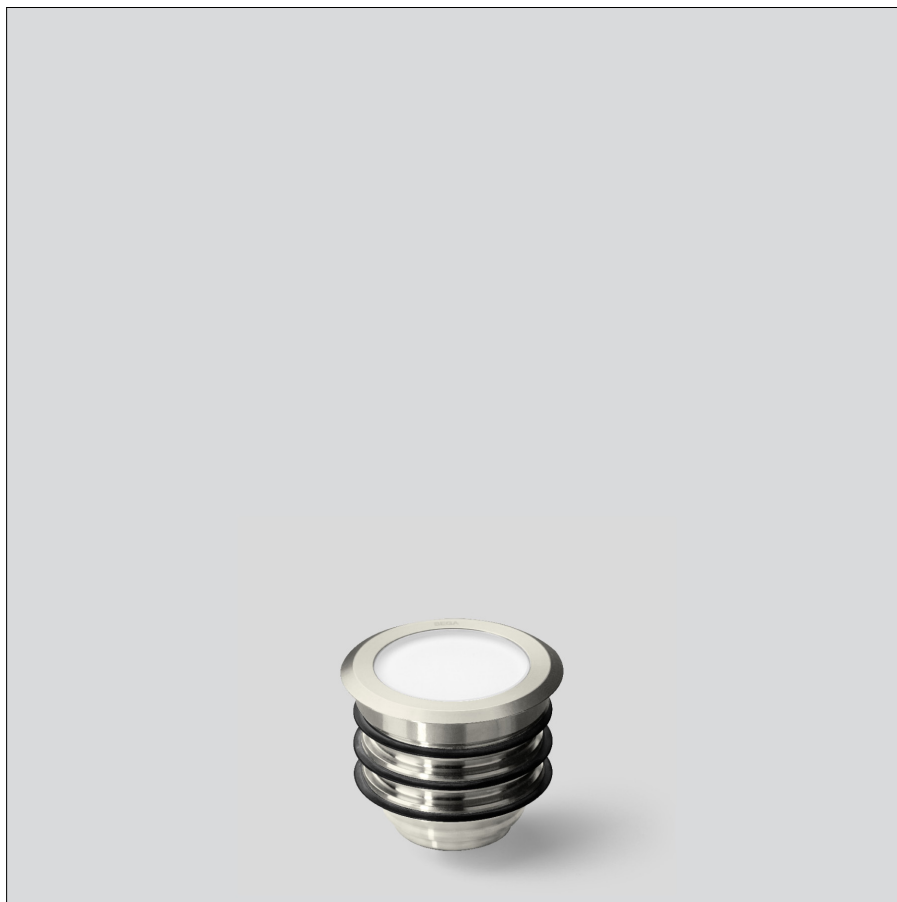
**70 745** Installation housing made of stainless steel

A separate instructions for use can be provided upon request.

**70 730** Distribution box

The distribution box is meant for installation in the soil and allows a junction from the supply cable to the luminaire and through-wiring to the next luminaire.

After the electrical connection the distribution box is filled up with gel and closed.



### Lamp

Module connected wattage  
Luminaire connected wattage  
Rated temperature  
Ambient temperature  
Voltage

2.1 W  
2.8 W  
 $t_a = 25\text{ °C}$   
 $t_{a\text{ max}} = 40\text{ °C}$   
24 V = DC

### Lifetime of the LED

Ambient temperature  $t_a = 15\text{ °C}$   
– at 50,000 h: L90B10  
– at > 500,000 h: L70B50  
  
Ambient temperature  $t_a = 25\text{ °C}$   
– at 50,000 h: L90B10  
– at 420,000 h: L70B50

### 99 331

Module designation LED-0331/840  
Colour temperature 4000 K  
Colour rendering index  $R_a > 80$   
Module luminous flux 270 lm  
Luminaire luminous flux 59 lm  
Luminaire luminous efficiency 21,1 lm/W

max. ambient temperature  $t_a = 40\text{ °C}$   
– at 50,000 h: L90B10  
– at 280,000 h: L70B50

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Colour temperature 4000 K.  
Also available with 3000 K on request.  
4000 K – article number  
3000 K – article number + **K3**

### 99 331 K3

Module designation LED-0331/830  
Colour temperature 3000 K  
Colour rendering index  $R_a > 80$   
Module luminous flux 245 lm  
Luminaire luminous flux 54 lm  
Luminaire luminous efficiency 19,3 lm/W